

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 700 (MARTIN BLVD.) AND WINDLASS DR. IN BALTIMORE COUNTY, MARYLAND. THE SIGNAL WORK CONSISTS OF THE INSTALLATION OF LED SIGNAL MODULES IN PLACE OF EXISTING SIGNAL MODULES AND THE INSTALLATION OF SIGNS. MD 700 IS CONSIDERED TO RUN IN THE NORTH-SOUTH DIRECTION.

II. INTERSECTION OPERATION

THE INTERSECTION OPERATES IN A NEMA FOUR (4) PHASE, FULL-TRAFFIC-ACTUATED MODE. THERE IS AN EXCLUSIVE/ PERMISSIVE LEFT TURN PHASE FOR THE SOUTHBOUND MOVEMENT OF MD 700. THE MD 700 THROUGH MOVEMENTS OPERATE CONCURRENTLY. THE WINDLASS DR. MOVEMENTS OPERATES ALONE.

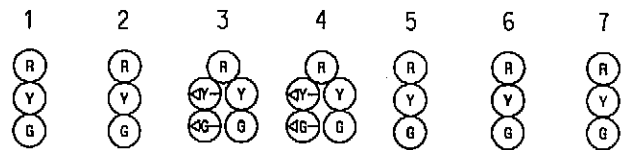
THE EXISTING EIGHT PHASE, FULL-TRAFFIC-ACTUATED, SOLID STATE DIGITAL CONTROLLER WITH BATTERY BACK-UP, VIDEO DETECTION EQUIPMENT AND TELEMETRY CABLE HOUSED IN A BASE MOUNTED CABINET ARE TO REMAIN AT THIS LOCATION.

III. INTERCONNECT NOTE:

SEE SHEET SP-32 OF 39 FOR INTERCONNECT DETAILS AND QUANTITIES



Phase Chart



Phase 2 & 5	R	R	G	G	G	R	R	
5 Change	R	R	G	G	G	R	R	
Phase 2 & 6	G	G	R	R	G	R	R	
2 & 6 Change	Y	Y	Y	Y	Y	R	R	
Phase 8	R	R	R	R	R	G	G	
8 Change	R	R	R	R	R	Y	Y	
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

ITEM NO.	QUANTITY	DESCRIPTION
900000	1 EA	[UPDATED] CONTROLLER ASC II WITH TELEMETRY
900000	35 SF	[UPDATED] SHEET ALUMINUM GROUND MOUNTED SIGN
	1 EA	R4-7 "KEEP RIGHT" SIGN (24"x30")
	2 EA	D3-2(1) "WINDLASS DRIVE NEXT SIGNAL SIGN (VAR.x36")

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
800000	22 EA	12 INCH LED VEHICULAR TRAFFIC SIGNAL MODULE
800000	3 EA	8 INCH LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION
800000	35 SF	INSTALL OVERHEAD OR GROUND MOUNTED SIGN
801104	14.5 LF	WOOD SIGN SUPPORTS 4 INCH X 4 INCH
801106	60 LF	WOOD SIGN SUPPORTS 4 INCH X 6 INCH

CONTACTS

DISTRICT

MS. ERIN KUHN
ASSISTANT DISTRICT ENGINEER - TRAFFIC
410-321-2781

MR. MICHAEL PASQUARIELLO
ASSISTANT DISTRICT ENGINEER - UTILITIES
410-321-2841

MR. DONALD SCHAEFER
ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
410-321-2821

MR. ANDRE FUTRELL
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
410-321-2761

OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF SR.
CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS
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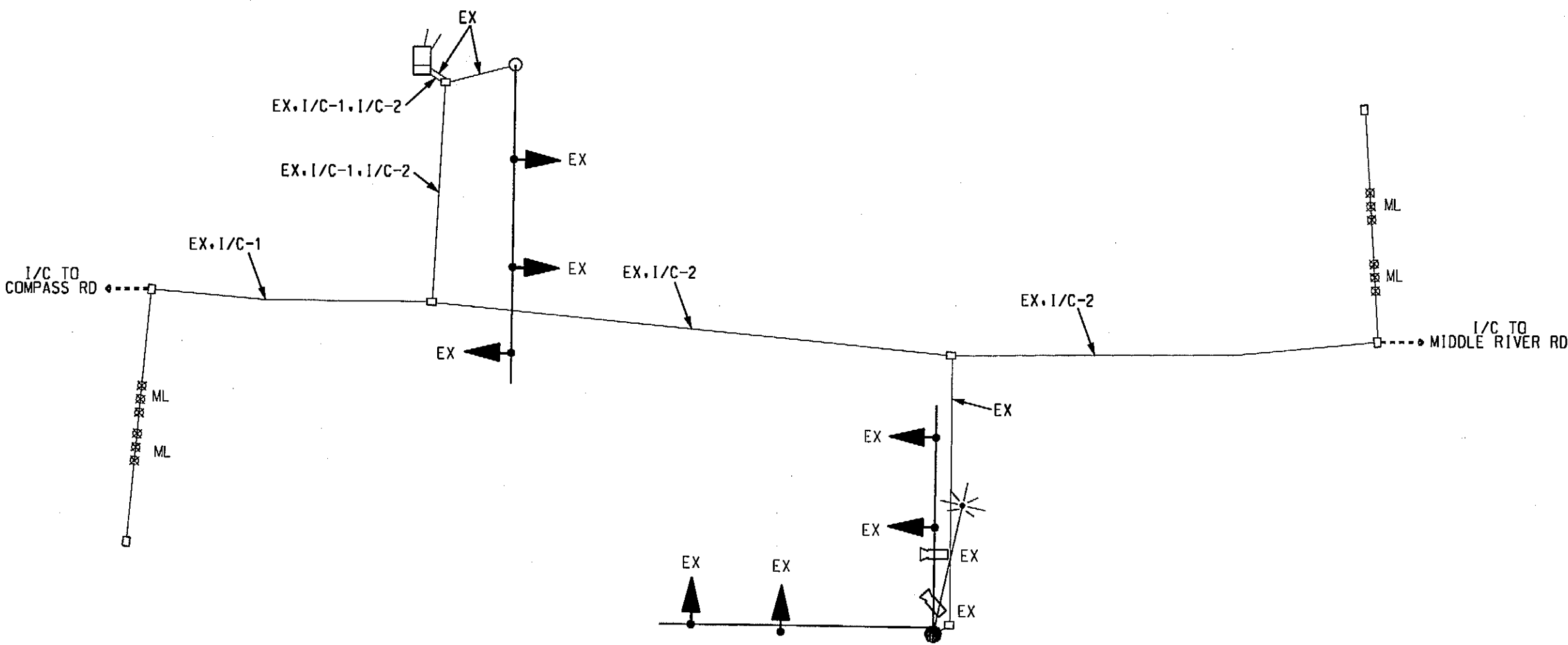
MR. ED RODENHIZER
TEAM LEADER SIGNAL OPERATIONS
410-787-7650

MR. EUGENE BAILEY
TEAM LEADER SIGN OPERATIONS
410-787-7670

MS. DARLENE EIDE
SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE)
410-787-7668

Wiring Diagram

NOTE: NO CHANGE TO EXISTING WIRING EXCEPT FOR PROPOSED I/C



WIRING KEY

EX	EXISTING CABLE
I/C-1	12 PAIR INTERCONNECT TO COMPASS RD
I/C-2	12 PAIR INTERCONNECT TO MIDDLE RIVER RD



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STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 700 (MARTIN BLVD) AT WINDLASS ROAD
MIDDLE RIVER, MARYLAND

GENERAL INFORMATION PLAN

SCALE 1"=20'	DATE 3/23/09	CONTRACT NO. BA1195168
DESIGNED BY K. PERMISOHN	COUNTY BALTIMORE	
DRAWN BY M. WAGNER	LOGMILE 03070000.85	
CHECKED BY D. MACLEAN	TMS NO. J639	
FAP NO.	TOD NO.	
TS NO. 4317A GI	DRAWING SP-26 OF 33	SHEET NO. 2 OF 2